

Application No. 10/761,745
Atty. Docket No. 2002B124/2
Amendment dated January 11, 2006
Reply to Office Action of October 11, 2005

AMENDMENTS TO THE SPECIFICATION

Please add the following new paragraph after the heading CROSS REFERENCE TO RELATED APPLICATIONS as follows:

This application is a Divisional of U.S. application Serial Number 10/274,739, filed October 21, 2002, now U.S. Patent No. 6,737,556, which is hereby incorporated by reference.

Please replace paragraph [0054] with the following amended paragraph:

[0054] The cooling medium 304 may exit the feed introduction nozzle within the reactor through diluent outlet 312, as shown in Fig. 3, or outside of the reactor through a cooling medium outlet (not shown). If the cooling medium 304 exits the feed introduction nozzle within the reactor through diluent outlet 312, the cooling medium will mix with the oxygenate feedstock inside the reactor. In this manner, the invention provides an additional advantage in that the partial pressure of the oxygenate introduced into the MTO reactor may be carefully controlled in order to obtain a desired product selectivity and/or oxygenate conversion as discussed, for example, in U.S. Patent ~~Application Serial No. 09/506,843~~ No. 6,531,639 to Fung et al., the entirety of which is incorporated herein by reference. Thus, the cooling medium may be selected from one or more of the diluents more fully discussed below.